

3/19/04

SHEET 1 OF 6

FORM PTO-1449		DOCKET NUMBER FGT 223		APPLICATION NUMBER 10/805,636		
INFORMATION DISCLOSURE CITATION IN AN APPLICATION		APPLICANT(S)				
		FILING DATE		GROUP ART UNIT 3748		
U.S. PATENT DOCUMENTS						
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FIL. DATE IF APPROP.
TMN	4,779,528	10-25-88	Bruke			
	4,926,823	5-22-90	Kishi et al			
	4,965,741	10-16-90	Cook et al			
	5,236,332	8-17-93	Satou et al			
	5,280,770	1-25-94	Satou et al			
	5,422,811	6-6-95	Togai			
	5,515,828	5-14-96	Cook et al			
	5,548,514	8-20-96	Hasegawa et al			
	5,600,056	2-4-97	Hasegawa et al			
↓	5,647,312	7-15-97	Salber et al			
TMN	5,669,341	9-23-97	Ushirono et al			
FOREIGN PATENT DOCUMENTS						
	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION YES NO
TMN	S55-49549	4-10-80	JP			
↓	S55-29002	3-1-80	JP			
TMN	1 054 148	5-18-00	EP			
OTHER DOCUMENTS						
TMN	RONALD J. PIERIK et al, "Design and Development of a Mechanical Variable Valve Actuation System", SAE Technical Paper No. 2001-01-1221, March 6-9, 2000, pp. 1-8.					
↓	MARTIN PISCHINGER et al, "Benefits of the Electromechanical Valve Train in Vehicle Operation", SAE Technical Paper No. 2000-01-1223, March 6-9, 2000, pp. 1-11					
↓	M.J. VAN NIEUWSTADT et al, "Air Change Estimation in Camless Engines", SAE Technical Paper No. 2001-01-0581, March 5-8, 2001, pp. 1-8					
EXAMINER Tu M. Nguyen			DATE CONSIDERED 3/19/2007			

FORM PTO-1449 INFORMATION DISCLOSURE CITATION IN AN APPLICATION		DOCKET NUMBER		APPLICATION NUMBER 101 805,636		
		APPLICANT(S)				
		FILING DATE		GROUP ART UNIT 3748		
U.S. PATENT DOCUMENTS						
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FIL. DATE IF APPROP.
TMN	5,678,402	10-21-97	Kitagawa et al			
	5,743,221	4-28-98	Schmitz			
	5,746,183	5-5-98	Parke et al			
	5,765,514	6-16-98	Sono et al			
	5,950,603	9-14-99	Cook et al			
	6,000,376	12-14-99	Hess et al			
	6,023,929	2-15-00	Ma			
	6,039,026	5-21-00	Shiraishi et al			
	6,098,585	8-8-00	Brehob et al			
↓	6,116,210	9-12-00	Oder et al			
TMN	6,138,636	10-31-00	Kohno et al			
FOREIGN PATENT DOCUMENTS						
	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION YES NO
OTHER DOCUMENTS						
TMN	LUCIEN KOOPMANS et al, "A four Stroke Camless Engine, Operated in Homogeneous Charge Compression Ignition Mode with Commercial Gasoline", SAE Technical Paper No. 2001-01-3610, September 24-27, 2001, pp. 1-14					
↓	WOLFGANG SALBER et al, "Synergies of Variable Valve Actuation and Direct Injection", SAE Technical Paper No. 2002-01-0706, March 4-7, 2002, pp. 1-9					
↓	"Operation of the Electronic Valve Actuation, Ford EVA Project Closed Loop Engine, System Control", Manual - Preliminary Version III, March 21, 2003, and in particular pp. 6, 72, 80-84, 89-95, 104-119, and 134-218					
EXAMINER			DATE CONSIDERED			
Tu M. Nguyen			3/19/07			

FORM PTO-1449		DOCKET NUMBER		APPLICATION NUMBER 101805,636		
INFORMATION DISCLOSURE CITATION IN AN APPLICATION		APPLICANT(S)				
		FILING DATE		GROUP ART UNIT 3748		
U.S. PATENT DOCUMENTS						
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FIL. DATE IF APPROP.
TMN	6,219,611	4-17-01	Russell			
	6,247,445	6-19-01	Langer			
	6,276,316	8-21-01	Arai et al			
	6,332,446	12-25-01	Matsumoto et al			
	6,336,355	1-8-02	Sasaki et al			
	6,341,584	1-29-02	Itoyama et al			
	6,349,541	2-26-02	Gruden et al			
	6,374,813	4-23-02	Iida et al			
	6,386,156	5-14-02	Stockhausen et al			
✓	6,390,063	5-21-02	Obata et al			
TMN	6,408,806	6-25-02	Sugiyama et al			
FOREIGN PATENT DOCUMENTS						
	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION: YES NO
OTHER DOCUMENTS						
EXAMINER	Tu M. Nguyen			DATE CONSIDERED 3/19/07		

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		APPLICANT(S)				
		FILING DATE		GROUP ART UNIT 3748		
U.S. PATENT DOCUMENTS						
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FIL. DATE IF APPROP.
TMN	2002/0096139	7-25-02	Zheng			
	6,425,369	7-30-02	Arai et al			
	6,431,129	8-13-02	Hammoud et al			
	6,431,130	8-13-02	Leone et al			
	6,443,108	9-3-02	Brehob et al			
	6,453,662	9-24-02	Lewis et al			
	6,453,665	9-24-02	Bower Jr. et al			
	6,457,465	10-1-02	Lee			
	6,474,303	11-5-02	Leone et al			
✓	6,311,667	11-6-02	Satou et al			
TMN	6,481,201	11-19-02	Kako et al			
FOREIGN PATENT DOCUMENTS						
	DOCUMENT NUMBER	DA6336355TE	COUNTRY	CLASS	SUB CLASS	TRANSLATION YES NO
OTHER DOCUMENTS						
EXAMINER	Tu M. Nguyen			DATE CONSIDERED 3/19/07		

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		APPLICANT(S)				
		FILING DATE		GROUP ART UNIT 3748		
U.S. PATENT DOCUMENTS						
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FIL. DATE IF APPROP.
TMN	6,484,677	11-26-02	Leone et al			
	6,470,853	11-29-02	Leone et al			
	6,497,093	12-24-02	Lewis et al			
	6,502,389	1-7-03	Katayama et al			
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	6,513,493	2-4-03	Robichaux et al			
	6,532,944	3-18-03	Leone et al			
	6,550,434	4-22-03	Leone et al			
	6,557,505	5-6-03	Hori			
↓	6,568,177	5-27-03	Surnilla			
TMN	6,591,605	7-15-03	Lewis			
FOREIGN PATENT DOCUMENTS						
	DOCUMENT NUMBER	DA6336355TE	COUNTRY	CLASS	SUB CLASS	TRANSLATION YES NO
OTHER DOCUMENTS						
EXAMINER	Tu M. Nguyen			DATE CONSIDERED 3/19/07		

SHEET 1 OF 1

INFORMATION DISCLOSURE CITATION IN AN APPLICATION		DOCKET NUMBER 81100252		APPLICATION NUMBER 10/805,636		
		APPLICANT(S) Donald J. Lewis et al				
		FILING DATE March 19, 2004		GROUP ART UNIT 3748		
U.S. PATENT DOCUMENTS						
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FIL. DATE IF APPROP.
TMN	6,192,857	2-27-01	Shimada			
	6,202,608	3-20-01	Yamaki et al			
	6,374,783	4-23-02	Toriumi			
	6,389,806	5-21-02	Glugla et al			
↓	6,415,601	7-9-02	Glugla et al			
TMN	6,553,961	4-29-03	Hammoud et al			
FOREIGN PATENT DOCUMENTS						
	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION YES NO
OTHER DOCUMENTS						
EXAMINER Tu M. Nguyen			DATE CONSIDERED 3/19/07			

SHEET 1 OF 2

FORM PTO-1449			DOCKET NUMBER 81100252	APPLICATION NUMBER 10/805,636		
INFORMATION DISCLOSURE CITATION IN AN APPLICATION			APPLICANT(S) Lewis et al.			
			FILING DATE March 19, 2004	GROUP ART UNIT 3748		
U.S. PATENT DOCUMENTS						
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FIL. DATE IF APPROP.
TMN	10/805,639	3-19-2004	Lewis et al.			
	10/805,657	3-19-2004	Lewis et al.			
	10/805,625	3-19-2004	Lewis et al.			
	10/805,613	3-19-2004	Lewis			
	10/805,575	3-19-2004	Lewis et al.			
	10/805,611	3-19-2004	Michelini et al.			
	10/805,637	3-19-2004	Lewis et al.			
	10/805,651	3-19-2004	Lewis et al.			
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	10/805,607	3-19-2004	Lewis et al.			
↓	10/805,573	3-19-2004	Lewis et al.			
TMN	10/805,635	3-19-2004	Lewis et al.			
FOREIGN PATENT DOCUMENTS						
	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION YES NO
OTHER DOCUMENTS						
EXAMINER Tu M. Nguyen			DATE CONSIDERED 3/19/07			

PTO/SB/08A (08-03)

Approved for use through 07/31/2006. OMB 0651-0031

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet	1	of	5
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Complete if Known

Application Number	10/805,636
Filing Date	March 19, 2004
First Named Inventor	Donald J. Lewis
Art Unit	3748
Examiner Name	T. NGUYEN
Attorney Docket Number	81100252

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
TMN		US- 3828247	08-06-1974	Kirsch et al.	
		US- 3865088	02-11-1975	Links	
		US- 4009695	03-01-1977	Ule	
		US- 4976228	12-11-1990	Kawamura	
		US- 4990854	02-05-1991	Friz	
		US- 5117790	06-02-1992	Clarke et al.	
		US- 5190013	03-02-1993	Dozier	
		US- 5408958	04-25-1995	Esch et al.	
		US- 5442515	08-15-1995	Wallaert	
		US- 5596956	01-28-1997	Ogawa et al.	
		US- 5617829	04-08-1997	Bidner et al.	
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	US- 5992153	11-30-1999	Tsuchihashi et al.		
	US- 6050231	04-18-2000	Tisch et al.		
	US- 6062186	05-16-2000	Barnes et al.		
TMN		US- 6109225	08-29-2000	Ogita et al.	

FOREIGN PATENT DOCUMENTS

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Signature**

W. M. Nguyen

Date
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Sheet	2	of	5
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Application Number	10/805,636
Filing Date	March 19, 2004
First Named Inventor	Donald J. Lewis
Art Unit	3728
Examiner Name	
Attorney Docket Number	81100252

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
TMN		US 6178934	01-30-2001	Hirasawa et al.	
		US 6192857	02-27-2001	Shimada	
		US 6202608	03-20-2001	Yamaki et al.	
		US 6216652	04-17-2001	Gramann et al.	
		US 6332445	12-25-2001	Voss et al.	
		US 6333843	12-25-2001	Boie et al.	
		US 6363907	04-02-2002	Arai et al.	
		US 6367437	04-09-2002	Nakamura et al.	
		US 6374783	04-23-2002	Toriumi	
		US 6382193	05-07-2002	Boyer et al.	All
		US 6389806	05-21-2002	Glugla et al.	
		US 6390038	05-21-2002	Di Lieto et al.	
		US 6397813	06-04-2002	Han et al.	
		US 6401684	06-11-2002	Hori et al.	All
		US 6415601	07-09-2002	Glugla et al.	
		US 6422185	07-23-2002	Duesmann et al.	
		US 6460500	10-08-2002	Ooyama et al.	
		US 6505113	01-07-2003	Eichenseher et al.	
TMN		US 6526745	03-04-2003	Ogiso	

FOREIGN PATENT DOCUMENTS

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Examiner Signature	T. M. Vallen	Date Considered	3/19/07
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Substitute for form 1449/PTO		Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)		Application Number	10/805,636
		Filing Date	March 19, 2004
		First Named Inventor	Donald J. Lewis
		Art Unit	3748
		Examiner Name	
Sheet 3 of 5	Attorney Docket Number	81100252	

U. S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
TMN		US- 6546910	04-15-2003	Tanaka et al.	
		US- 6550240	04-22-2003	Kolmanovsky et al.	
		US- 6553961	04-29-2003	Hammoud et al.	
		US- 6619245	09-16-2003	Fujiwara et al.	
		US- 6637386	10-28-2003	Murata et al.	
		US- 6647947	11-18-2003	Boyer et al.	
		US- 6681173	01-20-2004	Turner et al.	
		US- 6718928	04-13-2004	Brueggen et al.	
		US- 6736121	05-18-2004	Gopichandra	
		US- 6763707	07-20-2004	Kumagai et al.	
		US- 6766641	07-27-2004	Surnilla et al.	
		US- 6772723	08-10-2004	Aoki et al.	
		US- 6785603	08-31-2004	Inoue	
		US- 2002/0038541	04-04-2002	Surnilla et al.	
		US- 2002/0157630	10-31-2002	Gerhard et al.	
		US- 2003/0051465	03-20-2003	Kolmanovsky et al.	
		US- 2003/0106515	06-12-2003	Kondo	
		US- 2004/0083719	05-06-2004	Xu et al.	
TMN		US- 2004/0103867	06-03-2004	Hayase et al.	

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ⁴
		Country Code ² -Number ³ -Kind Code ⁵ (if known)				

Examiner Signature	Tu M. Nanyun	Date Considered	3/19/07
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Complete if Known

Application Number	10/805,636
Filing Date	March 19, 2004
First Named Inventor	Donald J. Lewis
Art Unit	3748
Examiner Name	T. NGUYEN
Attorney Docket Number	81100252

Sheet 4 of 5

U. S. PATENT DOCUMENTS

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FOREIGN PATENT DOCUMENTS

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Examiner Signature	<i>Lee M. Anderson</i>	Date Considered	3/19/07
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Substitute for form 1449/PTO				Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)				Application Number	10/805,636
				Filing Date	March 19, 2004
				First Named Inventor	Donald J. Lewis
				Art Unit	3748
				Examiner Name	TU NGUYEN
Sheet	5	of	5	Attorney Docket Number	81100252

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
TMN		KLUTING, FLIERL, GRUDNO and LUTTERMANN; MTZ Magazine, August 1999, "Drosselfreie Laststeuerung miy vollvariablen Ventiltrieben"	✓

Examiner Signature	Tu M. Nguyen	Date Considered	3/19/07
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¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.

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	Filing Date		2004-03-19
	First Named Inventor	Donald J. Lewis	
	Art Unit	3748	
	Examiner Name	TU NGUYEN	
	Attorney Docket Number	81100252	

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Examiner Initial*	Cite No	Patent Number	Kind Code ¹	Issue Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear
TMN	1	4732117		1988-03-23	Tanahashi et al.	
	2	4807495		1989-02-28	Wallace	
	3	4848284		1989-07-18	Konno	
	4	5016494		1991-05-21	Yamaguchi	
	5	5072700		1991-12-17	Kawamura	
	6	5123397		1992-06-23	Richeson	
	7	5129369		1992-07-14	Kawamura	
TMN	8	5201296		1993-04-13	Wunning et al.	

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TMN	9	5216987		1993-06-08	Richeson, Jr.	
	10	5284116		1994-02-08	Matterazzo	
	11	5357916		1994-10-25	Mukumoto	
	12	5673676		1998-09-08	Biesinger et al.	
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	15	6085717		2000-07-11	Kamura et al.	
	16	6217480		2001-04-17	Iwata et al.	
	17	6220223		2001-04-24	Weisman II et al.	
↓	18	6247449		2001-06-19	Persson	
TMN	19	6250266		2001-06-26	Okui et al.	↓

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TMN	20	6260525		2001-07-17	Moyer	
	21	6330870		2001-12-18	Inoue et al.	
	22	6336436		2002-01-08	Miyakubo et al.	
	23	6341487		2002-01-29	Takahashi et al.	
	24	6401026		2002-06-04	Robichaux et al.	
	25	6435147		2002-08-20	Eichenseher et al.	
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TMN	31	6595183		2003-07-22	Olofsson	
	32	6620076		2003-09-16	Kawamura et al.	
	33	6655353		2003-12-02	Rayl	
	34	6691021		2004-02-10	Takagi et al.	
	35	6701887		2004-03-09	Salber et al.	
	36	6718937		2004-04-13	Kim	
	37	6735938		2004-05-18	Sumilla	
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✓	40	6832977		2004-12-21	You	
TMN	41	6837040		2005-01-04	Sonoda et al.	

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TMN	42	6866012		2005-03-15	Hayase et al.	
	43	6883319		2005-04-26	Ekenberg	
	44	6898927		2005-05-31	Morinaga et al.	
	45	6907725		2005-06-21	Szymkowicz et al.	
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TMN	48	6938598		2005-09-06	Lewis et al.	

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TMN	1	20010003971		2001-06-21	Hori et al.	
TMN	2	20010023667		2001-09-27	Miura et al.	

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TMN	1	6955144		2005-10-18	Sakai et al.		
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TMN	1	20030070423		2003-04-17	Morinaga et al.		
	2	20030073540		2003-04-17	Eguchi et al.		
	3	20030131820		2003-07-17	McKay et al.		
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TUN	6	20050028515		2005-02-10	Fukuma et al.	
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Examiner Initial*	Cite No	Patent Number	Kind Code ¹	Issue Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear
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↓	8	6975935		2005-12-13	Kohler et al.	↓

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TMN	1	20010050065		2001-12-13	Yamada et al.	
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